IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: V. Kashyap

Serial No.: 09/917,314

Filed: July 27, 2001

Group Art Unit: 2661

Examiner: Unassigned

Confirmation No.: 9560

Title: NETWORK NODE FAILOVER USING PATH REROUTING BY MANAGER COMPONENT OR SWITCH PORT REMAPPING

Assistant Commissioner for Patents
Washington, D.C. 20231

REQUEST FOR CORRECTED FILING RECEIPT

Applicant has received the official Filing Receipt for the above-referenced patent application, copy attached as Exhibit A. A corrected filing receipt is requested for the following point of information:

The Attorney Docket No. as typed on the Filing Receipt (i.e., BEA920010014US1) is incorrect. A copy of the first page of the original application that was filed on July 27, 2001 is enclosed at Exhibit B which correctly states the Attorney Docket No. as "BEA920010015US1". Specifically, the number "0014" needs to be changed to "0015".

Applicant respectfully requests that a corrected filing receipt be issued and forwarded to applicant's attorney for this application.

IBM Corporation
IPLaw Dept. - EDO2-805
15450 SW Koll Parkway
Beaverton, OR 97006-6063
Telephone: (503) 578-5020
Fax: (503) 578-5040

Pryor A. Garnett
Attorney for Applicants
Registration No. 32,136

OCT 0 1 2001

UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/917,314	07/27/2001	2661	710	BEA920010014US1	13	20	3

CONFIRMATION NO. 9560

FILING RECEIPT

OC000000006510339

Pryor Garnett, Counsel
IBM Corporation
Intellectual Property Law Dept., EDO2-805
15450 SW Koll Parkway
Beaverton, OR 97006-6063

Date Mailed: 09/04/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).**

Applicant(s)

Vivek Kashyap, Beaverton, OR;

Assignment For Published Patent Application

International Business Machines Corporation, Armonk, NY;

Domestic Priority data as claimed by applicant

Foreign Applications

If Required, Foreign Filing License Granted 09/03/2001

Projected Publication Date: 01/30/2003

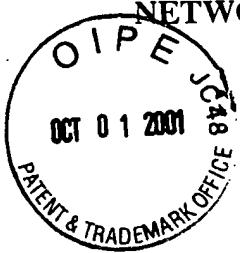**Non-Publication Request:** No

Early Publication Request: No

Title

Network node failover using path rerouting by manager component or switch port remapping

Preliminary Class

RECEIVED
OCT 11 2001
Technology Center 2600

Exhibit A

NETWORK NODE FAILOVER USING PATH REROUTING BY MANAGER COMPONENT OR SWITCH PORT REMAPPING

BACKGROUND OF THE INVENTION

Technical Field

This invention relates generally to networks, such as Infiniband networks, and more particularly to failover of nodes within such networks.

Description of the Prior Art

Input/output (I/O) networks, such as system buses, can be used for the processor of a computer to communicate with peripherals such as network adapters. However, constraints in the architectures of common I/O networks, such as the Peripheral Component Interface (PCI) bus, limit the overall performance of computers. Therefore, new types of I/O networks have been proposed.

One new type of I/O network is known and referred to as the InfiniBand network. The InfiniBand network replaces the PCI or other bus currently found in computers with a packet-switched network, complete with one or more routers. A host channel adapter (HCA) couples the processor to a subnet, whereas target channel adapters (TCAs) couple the peripherals to the subnet. The subnet includes at least one switch, and links that connect the HCA and the TCAs to the switches. For example, a simple InfiniBand network may have one switch, to which the HCA and the TCAs connect through links. Topologies that are more complex are also possible and contemplated.

Each end node of an Infiniband network contains one or more channel adapters (CAs) and each CA contains one or more ports. Each port has a local identifier (LID)

Exhibit B

#
2

UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

Bib Data Sheet

CONFIRMATION NO. 9560

SERIAL NUMBER 09/917,314	FILING DATE 07/27/2001 RULE	CLASS 370	GROUP ART UNIT 2661	ATTORNEY DOCKET NO. BEA920010015US1

APPLICANTS

Vivek Kashyap, Beaverton, OR;

** CONTINUING DATA ***************************

** FOREIGN APPLICATIONS *********************

IF REQUIRED, FOREIGN FILING LICENSE GRANTED
** 09/03/2001

Foreign Priority claimed ☐ yes ☐ no			
35 USC 119 (a-d) conditions met ☐ yes ☐ no ☐ Met after Allowance	STATE OR COUNTRY OR	SHEETS DRAWING 13	TOTAL CLAIMS 20	INDEPENDENT CLAIMS 3
Verified and Acknowledged _____ Examiner's Signature _____ Initials			

ADDRESS

Pryor Garnett, Counsel
IBM Corporation
Intellectual Property Law Dept., EDO2-805
15450 SW Koll Parkway
Beaverton ,OR 97006-6063

25253

TITLE

Network node failover using path rerouting by manager component or switch port remapping

FILING FEE RECEIVED 710	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	☐ All Fees
		☐ 1.16 Fees (Filing)
		☐ 1.17 Fees (Processing Ext. of time)
		☐ 1.18 Fees (Issue)
		☐ Other _____
		☐ Credit